

Servo Motor Cables

SL 843 C

Composite TPE/PUR transmission cable with overall tinned copper shield



Marking for SL 843 C 8431050:

SAB BRÖCKSKES · D-VIERSEN · 8431050 SL 843 C 3 x (2 x 0.14 mm² D) + 4 x 0.22 mm² + 2 x 0.5 mm² **DESINA** AWM-Style 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	TPE
Color code:	colored (see chart below)
Stranding:	in layers or pairwise
Shielding:	<i>acc. to dimension:</i> pairs with tinned copper wires braided or wrapped
Inner jacket:	TPE over shielded pairs
Stranding:	conductors/pairs twisted together in layers
Wrapping:	one or two layers non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	green (RAL 6018) or orange (RAL 2003)

Technical data:

Peak operating voltage:	max. 350 V	
Voltage UL/CSA:	300 V	
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V	
Min. bending radius:		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
<i>for continuous flexing:</i>	12 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE	UL/CSA: up to +80°C
<i>static:</i>	-50/+90°C	
<i>flexible:</i>	-40/+90°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1	
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Weather resistance:	very good	
Approvals:	UR AWM, CSA AWM, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:

- UL recognition, CSA approval
- good EMC characteristics
- suitable for cable tracks
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- in accordance with Indramat INK and Siemens 6FX8008

suitable for
resolvers and shaft encoders

item no.	dimensions	jacket color	nominal outer-ø		cable weight ≈lbs/mft	color codes
			inch	mm		
▶ 8430009	24/4pr + 20/2c	orange	0.346 ± 0.012	8.8 ± 0.3	62	(BN/GN+RD/BK+BU/VT+GY/PK) - (WH+BN)
▶ 8430010	24/4pr + 18/2c	orange	0.346 ± 0.012	8.8 ± 0.3	65	(BN/GN+RD/BK+BU/VT+GY/PK) - (WH+BN)
▶ 8430160	(24/3pr)D + 24/3c + 18/2c	orange	0.394 ± 0.012	10.0 ± 0.3	89	(GN/YE+GY/PK+BU/RD) - (GY-PK+RD-BU+WH-GN) - (WH+BN)
▶ 8430040	(24/3pr)D	orange	0.343 ± 0.012	8.7 ± 0.3	63	(WH/BN+GN/YE+GY/PK)
▶ 8430060	26/4pr + (26/4c)D + 18/4c	orange	0.386 ± 0.012	9.8 ± 0.3	91	(GY/PK+YE/VT+BN/GN+BK/RD) - (GN-BK+BU-BK+YE-BK+RD-BK) - (WH+BU+WH-GN+BN-GN)
▶ 8430012	26/4pr + 20/4c	green	0.358 ± 10%	9.1 ± 10%	68	(PK/GY+RD/BK+BN/GN+YE/VT) - (BU+WH+BN-GN+WH-GN)
▶ 8430112	26/10c + 20/2c	green	0.335 ± 10%	8.5 ± 10%	60	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT) - (WH+BN)
▶ 8430114	26/10c + 20/4c	green	0.354 ± 10%	9.0 ± 10%	71	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT) - (WH+BN+GN+YE)
▶ 8430006	24/3pr + 20/2c	green	0.343 ± 10%	8.7 ± 10%	60	(WH/BN+GN/YE+GY/PK) - (BU+RD)
▶ 8430013	22/4pr + 20/4c	green	0.406 ± 10%	10.3 ± 10%	91	(WH/BN+GN/YE+GY/PK+BU/RD) - (BK+VT+GY-PK+RD-BU)
▶ 8430020	(26/3pr)C + 18/2c	green	0.394 ± 10%	10.0 ± 10%	85	(GN/YE+GY/PK+BU/RD) - (WH+BN)
▶ 8430022	(26/3pr)C + (20/2c)C	green	0.398 ± 10%	10.1 ± 10%	90	(GN/YE+GY/PK+BU/RD) - (WH+BN)
▶ 8431050	(26/3pr)D + 26/4c + 24/4c + 20/2c	green	0.421 ± 10%	10.7 ± 10%	87	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-YE+GN-RD+BN-GY+GN-BK) - (BN-BU+BN-RD)
▶ 8430070	(26/3pr)D + 26/4c + 20/2c	green	0.398 ± 10%	10.1 ± 10%	82	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-BU+BN-RD)
▶ 8430310	24/12c	green	0.335 ± 10%	8.5 ± 10%	58	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT+GY-PK+RD-BU)
▶ 8430212	26/2pr	green	0.264 ± 10%	6.7 ± 10%	34	(WH/BN+GN/YE)
▶ 8430214	26/4pr	green	0.323 ± 10%	8.2 ± 10%	48	(WH/BN+GN/YE+GY/PK+BU/RD)
▶ 8430216	26/8pr	green	0.382 ± 10%	9.7 ± 10%	70	(WH/BN+GN/YE+GY/PK+BU/RD+BK/VT+GY-PK/RD-BU+WH-GN/BN-GN+WH-YE/BN)

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Other dimensions and colors are available on request
pair in () denotes shielded. C = tinned copper braid. D = tinned copper spiral.

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